

# Uday Kolla

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## EDUCATION

**Cornell University**, College of Arts and Sciences, Ithaca, NY  
Bachelor of Arts, double major in Computer Science and Economics

**Expected May 2024**

**Randolph High School, Randolph, NJ**

**June 2020**

**Awards:** Top 5% of Graduating Class, National AP Scholar, and Forensics State Qualifier (3x)

### *Relevant Courses:*

- **Past:** AP Computer Science A, App Development Honors, and AP Computer Science Principles
- **Fall 2020:** Object-Oriented Design and Data Structures Honors and Linear Algebra
- **Spring 2021:** Data Structures and Functional Programming and Discrete Structures Honors

## RELEVANT EXPERIENCE

### **Independent App Developer**

**June. 2020-Present**

- Creating small independent applications in Android Studio and XCode
- Created digital portfolio using CSS/HTML 5 to highlight future projects
- Developed a calculator program, a simple chatbot, and a smart tic-tac-toe game implementing the mini-max theorem, see GitHub

**Carnegie Mellon SAMS Program**, Pittsburgh, PA, *Student Researcher*

**June 2019-Aug. 2019**

- Rigorous summer math and science program offered to select students (<7%) at no cost
- Aced challenging college math and computer science courses, including Calculus I and Intro to Python
- Collaborated with CMU faculty and other students on hands-on research projects in the field of Fluid Mechanics
- Utilized 3-D CAD software to design and model the most efficient airfoil under specific conditions
- Presented findings on NACA Airfoils at Carnegie Symposium and received 5<sup>th</sup> place out of 22 teams

## LEADERSHIP EXPERIENCE

**Math League**, Randolph High School, *President*

**March 2018-June 2020**

- Taught and recruited 33 new members for club designed to foster mathematical excellence
- Ran weekly afterschool program for competition preparation
- Qualified for national AIME exam (top 2.5% of test-takers) for all four years

**Math National Honor Society**, Randolph High School, *Vice President*

**Sept. 2018-June 2020**

- Conducted and planned induction ceremony for 42 new incoming members
- Accounted for over 100 members, including attendance and making sure they met service and club requirements
- Created and sent out over 30 google forms for event sign-ups and opportunities to members

**Boys Volleyball Team**, Randolph High School, *Captain*

**March 2018-June 2020**

## ADDITIONAL EXPERIENCE

**Morris Academy**, Randolph, NJ, Tutor

**Sept. 2019-Present**

- Selected to tutor various students in Math, Physics, Economics, and Computer Science.
- Averaged 8-12 hours a week helping over 25 students do homework, prepare for tests, and learn new content.

## SPECIALIZED SKILLS

**Programming Languages:** Java (expert), Python (proficient), Kotlin (beginner), and HTML/CSS (proficient)

**Version Control:** Git

**Foreign Languages:** Telugu (fluent), Spanish (intermediate), Hindi (basic)